Storm Signals Data Collection

Date: _____
Time: _____
Initial: _____

Directions: The following questions will help you analyze the data to determine the answer to the big question, "Have signals been recorded today due to a flare or CME that could affect Earth?" You can answer each of the questions on the back of this paper or on a separate Storm Signals Answer Sheet.

Refer to the "University of Florida Radio Observatory" Data

a) Were solar flares or coronal mass ejections detected today?

b) Did the intensity of radio waves from the Sun change since your last entry? If so, explain.

c) Draw an example of what your red line looks like in the box below.

d) Do you think you are observing a solar storm using this data? Why or why not?

Refer to "GOES X-ray Flux (5 minute data)" Data

e) Did the intensity of x-ray emissions from the sun increase over the last few days?

   i) If yes, record the dates and levels (A, B, C, M or X)

f) When can we expect to see the visible sign (aurora) of the solar storm on Earth?

Comprehension Question: Based on the data you have analyzed from these instruments, answer the question, **"Have signals been recorded today indicating that a solar storm might be headed towards Earth?"** Be sure to cite specific data in your response.